

SYSTEM AND METHOD FOR CONTROLLING IGNITION IN INTERNAL COMBUSTION ENGINES

ABSTRACT OF THE DISCLOSURE

Ignition of a main fuel in an internal combustion engine having at least one cylinder having a combustion chamber is accomplished by diverting a portion of the main fuel to a processing system; processing said portion of the main fuel to increase ignition sensitivity thereof and form a pilot fuel; introducing the main fuel into the combustion chamber; and introducing said pilot fuel to control ignition of the main fuel.